

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: METALUX

Report Number: P567319

Luminaire Tested: **8SNX-126SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-126SL-LN-UNV-L935-CD
Description: 8FT 12600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

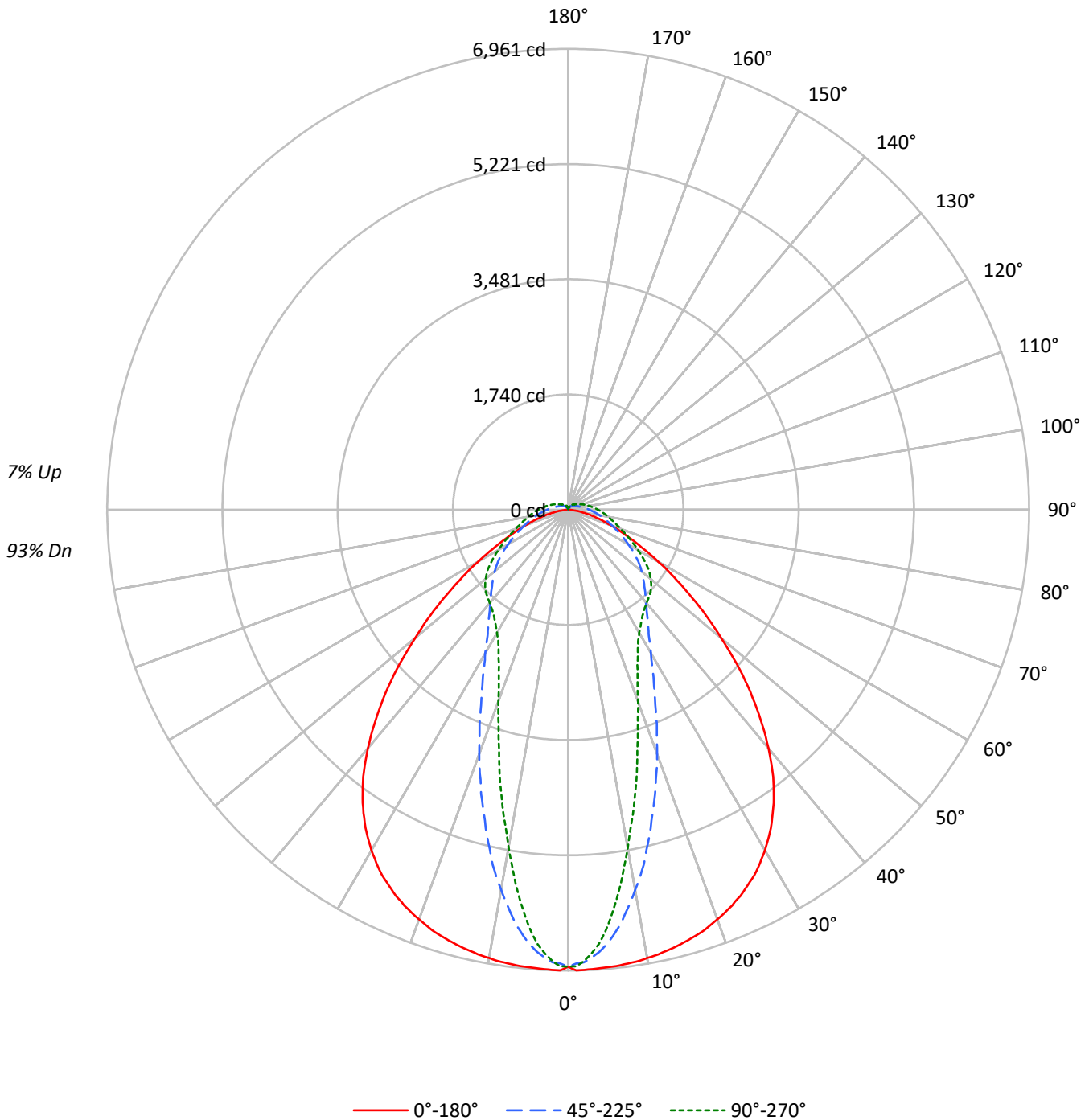
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11005.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 88.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37156	37156	37156
5°	37417	34192	32681
10°	37434	29350	25355
15°	37486	23969	19004
20°	37440	19113	14221
25°	37176	14993	11287
30°	36479	12146	9628
35°	35033	10290	8758
40°	32497	9094	8289
45°	28983	8330	8033
50°	24644	7675	7589
55°	20338	6963	6931
60°	16358	6134	6080
65°	12796	5394	5290
70°	10044	4779	4680
75°	7901	4304	4264
80°	5754	3949	3964
85°	3451	3694	3801



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	611.4	5.6
10°-20°	1433.1	13.0
20°-30°	1701.1	15.5
30°-40°	1711.5	15.6
40°-50°	1590.9	14.5
50°-60°	1310.0	11.9
60°-70°	923.1	8.4
70°-80°	603.1	5.5
80°-90°	385.0	3.5
90°-100°	252.5	2.3
100°-110°	171.4	1.6
110°-120°	117.5	1.1
120°-130°	81.3	0.7
130°-140°	54.7	0.5
140°-150°	33.7	0.3
150°-160°	17.5	0.2
160°-170°	6.3	0.1
170°-180°	1.1	0.0
0°-30°	3745.5	34.0
0°-40°	5457.0	49.6
0°-60°	8357.8	75.9
0°-90°	10269.0	93.3
90°-120°	541.5	4.9
90°-150°	711.1	6.5
90°-180°	736.0	6.7
0°-180°	11005.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6904	6904	6904	6904	6904	
5°	6938	6846	6598	6471	6402	661
15°	6765	6044	4862	4251	4020	1911
25°	6321	4672	3097	2601	2492	2909
35°	5410	3161	2099	1967	1955	3364
45°	3887	2082	1626	1713	1759	2984
55°	2232	1367	1257	1396	1442	2016
65°	1050	825	865	975	1009	1065
75°	410	427	582	686	715	443
85°	69	196	392	508	531	87
90°	0	133	317	433	450	4
95°	0	98	265	363	381	0
105°	0	69	179	254	277	0
115°	6	58	127	185	196	5
125°	6	46	104	133	144	5
135°	6	40	81	104	110	4
145°	6	29	58	81	86	4
155°	6	23	40	58	63	3
165°	6	12	23	29	35	2
175°	12	12	12	12	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6903.8	6903.8	6903.8	6903.8	6903.8
1°	6961.4	6932.6	6857.6	6909.5	6898.0
2°	6955.7	6926.8	6840.3	6863.4	6823.0
3°	6949.9	6909.5	6776.9	6771.1	6713.4
4°	6944.1	6880.7	6696.1	6626.9	6580.8
5°	6938.4	6846.1	6598.1	6471.2	6402.0
6°	6932.6	6805.7	6471.2	6280.9	6182.8
7°	6921.1	6742.3	6338.5	6079.0	5952.1
8°	6909.5	6684.6	6171.3	5859.8	5704.1
9°	6898.0	6609.6	6004.0	5623.4	5438.8
10°	6874.9	6534.6	5831.0	5381.1	5185.0
11°	6863.4	6448.1	5663.7	5150.4	4919.7
12°	6840.3	6355.8	5484.9	4908.2	4706.3
13°	6817.3	6257.8	5265.8	4700.6	4458.3
14°	6794.2	6154.0	5075.5	4469.9	4244.9
15°	6765.3	6044.4	4862.1	4250.7	4020.0
16°	6736.5	5917.5	4671.7	4025.8	3783.5
17°	6707.7	5796.4	4492.9	3818.1	3599.0
18°	6673.1	5675.3	4285.3	3616.3	3402.9
19°	6626.9	5536.9	4118.0	3431.7	3235.6
20°	6586.6	5410.0	3927.7	3258.7	3085.6
21°	6540.4	5254.2	3737.4	3097.2	2924.2
22.5°	6471.2	5035.1	3495.1	2895.3	2733.8
23°	6436.6	4971.6	3397.1	2820.3	2681.9
24°	6390.5	4804.4	3235.6	2705.0	2566.6
25°	6321.2	4671.7	3097.2	2601.2	2491.6
26°	6257.8	4510.2	2958.8	2508.9	2399.3
27°	6194.4	4354.5	2837.6	2410.8	2318.6
28°	6113.6	4193.0	2705.0	2330.1	2249.3
29°	6027.1	4043.1	2595.4	2260.9	2197.4
30°	5940.6	3875.8	2503.1	2197.4	2145.5
32.5°	5698.3	3506.7	2266.7	2076.3	2041.7
35°	5410.0	3160.6	2099.4	1966.7	1955.2
37.5°	5087.0	2843.4	1949.4	1880.2	1891.8
40°	4706.3	2555.0	1822.5	1816.8	1839.9
42.5°	4302.6	2307.0	1724.5	1764.9	1799.5
45°	3887.3	2082.1	1626.5	1713.0	1759.1
47.5°	3454.8	1886.0	1539.9	1649.5	1701.4
50°	3016.4	1695.7	1447.7	1574.5	1626.5
52.5°	2624.2	1528.4	1355.4	1488.0	1545.7
55°	2232.0	1366.9	1257.3	1395.7	1441.9
57.5°	1891.8	1217.0	1153.5	1291.9	1326.5
60°	1574.5	1072.8	1049.7	1176.6	1217.0
62.5°	1286.2	945.9	951.6	1072.8	1113.1
65°	1049.7	824.8	865.1	974.7	1009.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	853.6	709.4	778.6	894.0	922.8
70°	674.8	605.6	709.4	813.2	842.1
72.5°	536.4	513.3	640.2	749.8	772.9
75°	409.5	426.8	582.5	686.3	715.2
77.5°	294.1	357.6	524.8	634.4	657.5
80°	207.6	294.1	478.7	588.3	611.4
82.5°	132.7	242.2	432.6	547.9	571.0
85°	69.2	196.1	392.2	507.5	530.6
87.5°	28.8	161.5	351.8	467.2	490.2
90°	0.0	132.7	317.2	432.6	449.9
92.5°	0.0	115.4	288.4	398.0	415.3
95°	0.0	98.0	265.3	363.4	380.7
97.5°	0.0	92.3	236.5	334.5	351.8
100°	0.0	80.7	213.4	305.7	328.8
102.5°	0.0	75.0	196.1	276.8	299.9
105°	0.0	69.2	178.8	253.8	276.8
107.5°	0.0	63.4	167.3	236.5	253.8
110°	0.0	63.4	150.0	219.2	236.5
112.5°	5.8	57.7	138.4	196.1	213.4
115°	5.8	57.7	126.9	184.6	196.1
117.5°	5.8	57.7	121.1	167.3	178.8
120°	5.8	51.9	115.4	155.7	167.3
122.5°	5.8	51.9	109.6	144.2	150.0
125°	5.8	46.1	103.8	132.7	144.2
127.5°	5.8	46.1	98.0	126.9	132.7
130°	5.8	46.1	92.3	115.4	126.9
132.5°	5.8	40.4	86.5	109.6	115.4
135°	5.8	40.4	80.7	103.8	109.6
137.5°	5.8	34.6	75.0	98.0	103.8
140°	5.8	34.6	69.2	92.3	98.0
142.5°	5.8	28.8	63.4	86.5	92.3
145°	5.8	28.8	57.7	80.7	86.5
147.5°	5.8	28.8	51.9	75.0	80.7
150°	5.8	23.1	46.1	69.2	75.0
152.5°	5.8	23.1	40.4	63.4	69.2
155°	5.8	23.1	40.4	57.7	63.4
157.5°	5.8	17.3	34.6	46.1	57.7
160°	5.8	17.3	28.8	40.4	51.9
162.5°	5.8	17.3	28.8	34.6	40.4
165°	5.8	11.5	23.1	28.8	34.6
167.5°	5.8	11.5	17.3	23.1	28.8
170°	5.8	11.5	17.3	17.3	23.1
172.5°	5.8	11.5	11.5	11.5	11.5
175°	11.5	11.5	11.5	11.5	5.8
177.5°	11.5	11.5	11.5	5.8	5.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.8	5.8	5.8	5.8	5.8

(END OF REPORT)